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An Enumeration of the Plants Collected by Dr. H. H. Rusby in South America, 1885-1886,—XIII.

(Continued from page 94.)

Rami graciles, fuscescentes. Petiolus 3-6 cm. longus. Folia tenuiter membranacea, in eadom jugo satis inæqualia, majora 13-18 cm. longa, 6-10 cm. lata. Cymæ 1-2 cm. longæ. Calycis tubus 4 mm. longus; dentes exteriores erecti, 4-5 mm. longi. Baccæ subglobosæ, circiter 1 cm. crassæ. Aff. *Cl. hirta*. Mapiri, 2,500 ft. (2238).

CLIDEMIA CORDATA, Cogn. sp. nov. (Sect. *Sagraea*, Cogn.); fere glaberrima; ramis teretibus, superne leviter compressis, junioribus vix furfuraceis; foliis longe petiolatis, late ovato-cordatis, acutiuscule beviterque acuminatis, minute crenulato-denticulatis, 7-9-nerviis, subtus ad nervos leviter furfuraceis; cymis brevibus, diffusis, paucifloris; floribus 4-meris, brevissime pedicellatis, basi minutissime bibracteolatis; calycis tubo ovoideo, lobis brevissimis, dentibus exterioribus oblongo-linearibus, obtusiusculis, tubo paulo brevioribus.

Rami satis graciles, elongati, fuscescentes. Petiolus 6-10 cm. longus. Folia tenuiter membranacea, 11-16 cm. longa, 9-13 cm. lata. Cymæ 3-5 cm. longæ; pedicelli 1-3 mm. longi. Calycis tubus 2 mm. longus; dentes reflexi, 1½-2 mm. longi. Mapiri, 2,500 ft. (2311).

CLIDEMIA RUSBYI, Britt. spec. nova. Sect. *Sagraea*. Frutex erectus, ramosus; flores in axillis foliorum sessiles congesti; foliis glabris, 5-nerviis, oblongis, acuminatis, basi acutis, 7-9 cm. longis, 3-4 cm. latis; petiolis 1-2 cm. longis; rami tereti; calycis tubus furfuraceis, dentes tubo multo breviores. Mapiri, 2,500 ft. (2320). Nearest *Clidemia septuplinervia*, Cogn. ex descriptio.

CLIDEMIA PILOSISSIMA, Britt. spec. nova. Frutex adscendens, ramosus; flores in paniculas axillares digesti; folia 7-nervia, cordata, acuminata vel acuta, 10-15 cm. longa, 5-8 cm. lata, utrinque stellato-pubescentia, membranacea, longe petiolata; petiolis marginis venisve longe rufo-pilosis; pedicellis longiusculis, crassis, rufo-pilosis, stellato-pubescentibus; fructus globosus, 6 mm. longus. Mapiri, 5,000 ft. (2234). Related to *S. umbrosa*.

CLIDEMIA OBLIQUA, Griseb. Mapiri 2,500 ft. (2317).

*Calophysa pilosa*, (Don.), Tri. l. c. Mapiri, 5,000 ft. (2315).

*Microphysa quadrialata*, Naud. l. c. 99.? Falls of the Madeira, (2241).

*Bellucia grossularioides*, (L.), Tri. l. c. 141. Guanai, 2,000 ft. (2314).

*Bellucia imperialis*, Sald. and Cogn. in Mart. Fl. Bras. xiv. (4), 515? Mapiri, 5,000 ft. (2330).

*Ossæa petiolaris*, (Naud.), Tri. l. c. 147. Mapiri, 5,000 ft. (2301; 2310).

*Blakea repens*, (R. & P.), Don. l. c. 325. Guanai, 2,000 ft. (2342).

*Mourinia parvifolia*, Benth. in Voy. Sulphur, 97. Mapiri, 5,000 ft. (2681).

*Mourinia princeps*, Naud. l. c. xviii. 283. Junction of the rivers Beni and Madre de Dios, (2666).

*Mourinia?* Same locality. (2682).

I am indebted to M. Cogniaux of Verviers, Belgium, the distinguished monographer of this difficult order for the Brazil Flora and DeCandolle's "Monographiæ Phanerogamorum," for many notes and determinations.

#### LYTHRARIÆ.

*Adenaria floribunda*, H. B. K. Nov. Gen. vi. 188. Sorata, 8,000 ft. (1419).

Var. *grisleooides*, (H. B. K.), Kœhne in Mart. Fl. Bras. xiii. (2), 210. Guanui, 2,000 ft. (1966).

*Cuphea micrantha*, H. B. K. loc. cit. 196. Guanai, 2,000 ft. (1858).

*Cuphea Spruceana*, Kœhne. Mapiri, 5,000 ft. (1924).

*Cuphea verticillata*, H. B. K. loc. cit. Sorata, 8,000 ft. (1070).

*Cuphea ianthina*, Kœhne. Yungas, 4,000 ft. (1068); Sorata, 10,000 ft. (1067); 8,000 ft. (1066); Unduavi, 8,000 ft. (1064); near La Paz, 10,000 ft. (1065). Also a form with narrower leaves from Unduavi, 8,000 ft. (1069).

*Physocalymna scaberrimum*, Pohl, Flora, 1827, 153. (*P. floridum*, Pohl, Pl. Bras. i. 100). Junction of the Rivers Beni and Madre de Dios (2444).

*Punica Granatum*, L. Sp. Pl. 427. Tacna, Chili. Cultivated. (464).

## ONAGRARIÆ.

- Epilobium andicolum*, Haussk. Œst. Bot. Zeit. 1879. Near La Paz, 10,000 ft. (1805); Yungas, 6,000 ft. (1807); Unduavi, 8,000 ft. (1808). The same as Mandon's No. 626.
- Epilobium denticulatum*, R. & P. Fl. Per. iii. 78. Near La Paz, 10,000 ft. (1806).
- Epilobium*, a single incomplete specimen from Valparaiso, Chili (2510).
- Jussiaea Peruviana*, L. Sp. Pl. 555. Mapiri, 2,500 ft. (1794).
- Jussiaea latifolia*, Benth. in Hook. Journ. Bot. ii. 317. Falls of the Madeira, Brazil (1796).
- Jussiaea nervosa*, Poir. in Lam. Encycl. Suppl. iii. 199. Guanai, 2,000 ft. (1799).
- Jussiaea nervosa*, Poir. var. *pubescens*, Mich. in Mart. Fl. Bras. xiii. (II), 155. Guanai, 2,000 ft. (1221). A broad-leaved form, possibly a distinct species.
- Jussiaea densiflora*, Mich. Flora, 1874, 300. Beni River, Bolivia (1235); Falls of the Madeira, Brazil, (1792).
- Jussiaea erecta*, L. Sp. Pl. 556. Guanai, 2,000 ft. (1095).
- Jussiaea affinis*, DC. Prodr. iii. 53. Reis, Bolivia (1793); Falls of the Madeira, Brazil (1795).
- Jussiaea octonervia*, Lam. Dict. iii. 332. Beni River, Bolivia (1798); Falls of the Madeira, Brazil (1797).
- CENOTHERA COCCINEA, spec. nova. Caulis basi sublignosus, simplex,  $\frac{1}{2}$  met. altus, pubescens, pilis brevioribus; folia alterna, sessilia, lanceolata 5–8 cm. longa, 8–20 mm. lata, remote denticulata, utrinque parce pilosa vel glabrata; flores axillares, solitarii, sessiles, coccinei, 2 cm. lat.; petala ovata, obtusa, integra; capsula cylindrico-ovoidea, hirsuta, 15 mm. longa, 4 mm. lata; semina numerosa, oblonga, compressa,  $\frac{1}{4}$  mm. longa.
- Ingenio del Oro, 10,000 ft. (1815; 1976). A very showy species, related to *O. mollissima*, L.
- Cenothera rosea*, Ait. Hort. Kew. ii. 3. Sorata, 8,000 ft. (1814).
- Fuchsia rosea*, R. & P. Fl. Per. iii. 89. Near Valparaiso (1800; 1852). Named by Dr. Philippi.
- Fuchsia serratifolia*, R. & P. l. c. 86. Yungas, 6,000 ft. (1801).
- Fuchsia dependens*, Hook. Ic. Pl. t. 65. Yungas (1071; 1802); Unduavi (1804).

*Fuchsia Magellanica*, Lam. Yungas, 4,000 ft. (1812).

FUCHSIA BOLIVIANA, Britt. spec. nova. Arbor vel frutex glabra.

Folia opposita, petiolata, membranacea, ovalia, 6 cm.-12 cm. longa, 3cm.-4cm. lata, utrinque acuta, minute serrulata, petiolis 1 cm. longis. Flores rosei, 2 cm.-3cm. longi, gracile pedicellati, in paniculas foliosas terminales dispositi; calycis tubus tubulosus, lobi lineares, acuti, tubo breviores; petala calycis lobis similia, paulo breviora; stamina petalis paulo breviora; ovarium oblongum; stylo paulo exserto.

Yungas, 6,000 ft. (1813). The same as Mandon's No. 624, Herb. Kew. Related to the Mexican *F. arborescens*, Sims.

*F. salicifolia*, Hemsl. Unduavi, 8,000 ft. (1803).

*Fuchsia*, a fragment of a species near *F. ampliata*, Benth., but corolla tube more slender and leaves acuminate. Probably undescribed.

#### SAMYDACEÆ.

*Casearia Javitensis*, H.B.K. Nov. Gen. v. 366. Falls of the Madeira, Brazil (2415).

*Casearia spinosa*, Willd. Sp. Pl. ii. 626. Junction of the Rivers Beni and Madre de Dios (1382).

*Casearia sylvestris*, Sw. Fl. Ind. Occ. ii. 752. Reis, 1,500 ft. (1383).

*Casearia punctata*, Spr. Neue Entd. ii. 154. Guanai, 2,000 ft. (1384). The same as Lechler's No. 2514 from Peru, Herb. Kew.

*Casearia oblongifolia*, Camb. in St. Hil. Fl. Bras. Merid. Guanai, 2,000 ft. (1974), also 1977 from same locality, also 2494, collected in fruit, all doubtfully referred to this species.

*Casearia bracteifera*, Sagot in Herb. Kew.? Falls of the Madeira, Brazil (2574).

CASEARIA MEMBRANACEA, spec. nova. Arbor inermis, ramulis cinereis. Folia ovalia, tenuiter membranacea, utrinque acuta, 9-13 cm. longa, 3-5 cm. lata, minute serrulata, glabra, petiolata, punctata. Flores in fasciculas numerosa; calycis pedunculisque pubescentibus, staminibus 10. Junction of the Rivers Beni and Madre de Dios (2074).

*Casearia*, species collected in fruit. Falls of Madeira (2614 a).

ABATIA BOLIVIANA (Mandon & Wedd.). (*Graniera Boliviana*, Mandon & Wedd. Pl. And. Boliv. No. 1511). Sorata, 10,000 ft (2468).